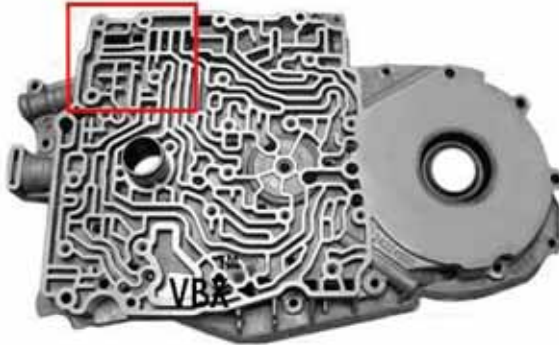


4T65E Channel Plate Identification

GM Only Style



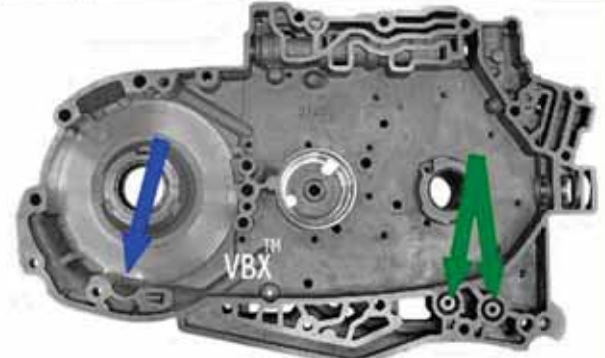
Volvo & GM TAP Shift Style



Early Style With TCC Blow Off Ball



Late Style With TCC & Drain Back Blow Off Balls



There are (2) worm track configurations where the valve body bolts up - the GM style & the Volvo style. GM TAP shift 4T65E's in late GM cars use what could be described as a "Volvo Style" on the valve body side & the GM Late Style on the case side. There are two places for blow-off balls, springs & retainers. The TCC blow-off ball, spring, & retainer are always present. The converter drain back blow-off ball, spring & retainer are not used on every channel plate. When the drain back ball is not present in the channel plate it will be located in the return cooler line fitting. **SEE GREEN ARROWS.** **The tranny must have one or the other, NOT BOTH! Using both will create restriction & limit lube oil to the tranny.**

The difference between early & late channel plates is an additional machined area for the new design 4th clutch with an additional external tab on the steel plate. This was a running change made mid year in 2002. **SEE BLUE ARROWS.** This change did **NOT** affect the valve body side of the plate. The depth of the 4th clutch pocket is the same on all channel plates that we have seen. All plates had a 4th clutch pocket depth of between 1.050" and 1.036". Most measured 1.045". This variance of .014" would seem to be slight manufacturing differences. Here are the casting #'s along with their descriptions:

<u>VBX Part #</u>	<u>Channel Plate Casting #</u>	<u>DESCRIPTION</u>
GM170	24208038	1997-2002, GM style w/2 blow-off balls.
GM171	24211900	1997-2002, GM style w/TCC blow-off ball only.
GM172	24224086	Mid-2002 & up, GM style w/2 blow-off balls.
GM172	24229721	Mid-2002 & up, GM style w/2 blow-off balls. Appears to be the same as 24224086
GM173	24224896	Mid-2002 & up, GM style w/1 blow-off ball.
GM174	24213496	1999-2002, Volvo w/2 blow-off balls.
GM175	24224897 & 24229720	2003 & up GM TAP shift/Late Volvo w/2 blow off balls & looks like a Volvo on the valve body side & uses a late Volvo style valve body w/3-piece pump.

NOTE: Several 24211900 channel plates have both TCC blow-off ball & cooler drain back spring & ball. The TAP Shift & Volvo channel plates have a Lo blow-off valve instead of a Lo blow-off ball above the manual valve. **SEE RED BOXED AREA ABOVE!**

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